



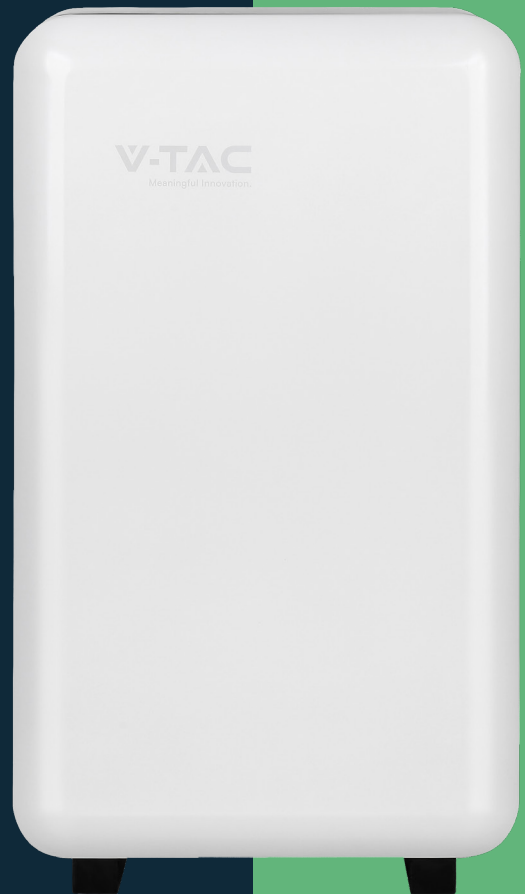
Meaningful Innovation.

Lithium-ion  
Battery

**10** YEAR  
WARRANTY

**10.24kWh**

- IP65
- 6000 Cycles
- Low Temperature



### General Information

|            |               |
|------------|---------------|
| Model Name | VT-12040-1    |
| SKU No     | 12766         |
| Colour     | Grey          |
| Bar Code   | 3800170260658 |

### Electrical Specifications

|                                      |           |
|--------------------------------------|-----------|
| Rated Capacity                       | 200 Ah    |
| Nominal Voltage                      | 51.2 V    |
| Nominal Energy                       | 10.24 kWh |
| Standard Charge Current              | 90 A      |
| Standard Discharge Current           | 90 A      |
| Maximum Continuous Charge Current    | 100 A     |
| Maximum Continuous Discharge Current | 100 A     |
| Standard Charge Voltage              | 57.6 V    |
| Upper Limit Charging Voltage         | 57.6 V    |
| End-of-Discharge Voltage             | 43.2 V    |
| Internal Resistance                  | 16 mW     |
| Communication                        | CAN       |

### Environmental Specifications

|                  |                        |
|------------------|------------------------|
| Dimensions       | 460 × 265 × 800 mm     |
| Net Weight       | 95.8 kg                |
| Protection Level | IP65                   |
| Structure        | 16 series & 1 parallel |

### Mechanical Specifications

|                             |                    |
|-----------------------------|--------------------|
| Charge Temperature Range    | 0 ~ 60 °C          |
| Discharge Temperature Range | -20 ~ 60 °C        |
| Cycle Life                  | ≥6000 @25°C DOD90% |
| End of Life                 | ≥6000 @25°C EOL70% |

### Charging Method

Charge the battery at constant current 90A until voltage reaches 57.6V.  
Then charge at constant voltage 57.6V till charge current is 10.3A